

1	gcgggaggcg	gacgagatgc	gagcgcgggc	gcggcccccg	ccgctctggg	cgactgtgct
61	ggcgctgggg	gcgctggcgg	gcgttggcgt	aggaggggcc	aacatctgta	ccacgcgagg
121	tgtgagctcc	tgccagcagt	gcctggctgt	gagcccatg	tgtgcctggt	gctctgatga
181	ggccctgcct	ctgggctcac	ctcgctgtga	cctgaaggag	aatctgctga	aggataactg
241	tgccccagaa	tccatcgagt	tcccagtgag	tgaggcccg	gtactagagg	acaggcccct
301	cagcgacaag	ggctctggag	acagctccca	ggcactcaa	gtcagtcccc	agaggattgc
361	actccggctc	cggccagatg	attcgaagaa	tttctccatc	caagtgcggc	aggtggagga
421	ttaccctgtg	gacatctact	acttgatgga	cctgtcttac	tccatgaagg	atgatctgtg
481	gagcatccag	aacctgggta	ccaagctggc	caccagatg	cgaaagctca	ccagtaacct
541	gcggattggc	ttcggggcat	ttgtggacaa	gcctgtgtca	ccatacatgt	atatctcccc
601	accagaggcc	ctcgaaaacc	cctgctatga	tatgaagacc	acctgcttgc	ccatgtttgg
661	ctacaaacac	gtgctgacgc	taactgacca	ggtgaccgcg	ttcaatgagg	aagtgaagaa
721	gcagagtgtg	tcacggaacc	gagatgcccc	agaggggtgc	tttgatgcca	tcatgcaggc
781	tacagtctgt	gatgaaaaga	ttggctggag	gaatgatgca	tcccacttgc	tgggtgtttac
841	cactgatgcc	aagactcata	tagcattgga	cggaaggctg	gcaggcattg	tcagccctaa
901	tgacgggcag	tgtcatgttg	gtagtacaa	tcattactct	gcctccacta	ccatggatta
961	tccctctttg	gggctgatga	ctgagaagct	atcccagaaa	aacatcaatt	tgatctttgc
1021	agtgactgaa	aatgtagtca	atctctatca	gaactatagt	gagctcatcc	cagggaccac
1081	agttgggggt	ctgtccatgg	attccagcaa	tgtcctccag	ctcattgttg	atgcttatgg
1141	gaaaatccgt	tctaaagtag	agctggaagt	gcgtgacctc	cctgaagagt	tgtctctatc
1201	cttcaatgcc	acctgcctca	acaatgaggt	catccctggc	ctcaagtctt	gtatgggact
1261	caagattgga	gacacggtga	gcttcagcat	tgaggccaag	gtgcgaggct	gtccccagga
1321	gaaggagaag	tcctttacca	taaagcccgt	gggcttcaag	gacagcctga	tcgtccagggt
1381	cacctttgat	tgtgactgtg	cctgccaggc	ccaagctgaa	cctaatagcc	atcgctgcaa
1441	caatggcaat	gggacctttg	agtgtgggggt	atgccgttgt	gggcctggct	ggctgggatc
1501	ccagtgtgag	tgctcagagg	aggactatcg	cccttcccag	caggacgaat	gcagcccccg
1561	ggagggtcag	cccgtctgca	gccagcgggg	cgagtgcctc	tgtggtcaat	gtgtctgcca
1621	cagcagtgac	tttggaaga	tcacgggcaa	gtactgcgag	tgtgacgact	tctcctgtgt
1681	ccgctacaga	ggggagatgt	gctcaggcca	tgggcagtgc	agctgtgggg	actgcctgtg
1741	tgactccgac	tggaaccggt	actactgcaa	ctgtaccacg	cgtactgaca	cctgcatgtc
1801	cagcaatggg	ctgctgtgca	gcggccgcgg	caagtgtgaa	tgtggcagct	gtgtctgtat
1861	ccagccgggc	tcctatgggg	acacctgtga	gaagtgcccc	acctgcccag	atgcctgcac
1921	ctttaagaaa	gaatgtgtgg	agtgtaaaga	gtttgaccgg	gagccctaca	tgaccgaaaa
1981	tacctgcaac	cgttactgcc	gtgacgagat	tgagtcagtg	aaagagctta	aggacactgg
2041	caaggatgca	gtgaattgta	cctataagaa	tgaggatgac	tgtgtcgtca	gattccagta
2101	ctatgaagat	tctagtggaa	agtccatcct	gtatgtggta	gaagagccag	agtgtcccaa
2161	gggccctgac	atcctggtgg	tcctgtcttc	agtgtgggg	gccattctgc	tcattggcct
2221	tgccgccctg	ctcatctgga	aactcctcat	caccatccac	gaccgaaaag	aattcgctaa
2281	at ttgaggaa	gaacgcgcca	gagcaaaatg	ggacacagcc	aacaaccac	tgtataaaga
2341	ggccacgtct	accttcacca	atatcacgta	ccggggcact	taatgataag	cagtcaccc
2401	cagatcatta	tcagcctgtg	ccacgattgc	aggagtccct	gccatcatgt	ttacagagga
2461	cagtatttgt	ggggagggat	ttggggctca	gagtggggta	ggttgggaga	atgtcagtat
2521	gtggaagtgt	gggtctgtgt	gtgtgtatgt	gggggtctgt	gtgtttatgt	gtgtgtgttg
2581	tgtgtgggag	tgtgtaattt	aaaattgtga	tgtgtcctga	taagctgagc	tccttagcct
2641	ttgtcccaga	atgcctcctg	cagggattct	tcctgcttag	cttgagggtg	actatggagc
2701	tgagcagggt	ttcttcatta	cctcagttag	aagccagctt	tcctcatcag	gccattgtcc
2761	ctgaagagaa	gggcagggct	gaggcctctc	attccagagg	aaggacacc	aagccttggc
2821	tctaccctga	gttcataaat	ttatggttct	caggcctgac	tctcagcagc	tatggtagga
2881	actgctgggc	ttggcagccc	gggtcatctg	tacctctgcc	tcctttcccc	tcctcaggc
2941	cgaaggagga	gtcagggaga	gctgaactat	tagagctgcc	tgtgcctttt	gccatcccc
3001	caaccagct	atggttctct	cgcaagggaa	gtccttgcaa	gctaattctt	tgacctgttg
3061	ggagtgaaga	tgtctgggcc	actcaggggt	cattcatggc	ctgggggatg	taccagcatc
3121	tcccagttca	taatcacaac	ccttcagatt	tgcttattg	gcagctctac	tctggagggt
3181	tgtttagaag	aagtgtgtca	cccttagggc	agcaccatct	ctttacctcc	taattccaca

Fig. 1

```

3241 ccctcactgc tgtagacatt tgctatgagc tggggatgtc tctcatgacc aaatgctttt
3301 cctcaaaggg agagagtgc attgtagagc cagaggtctg gccctatgct tccggcctcc
3361 tgtccctcat ccatagcacc tccacatacc tggccctgag ccttggtgtg ctgtatccat
3421 ccatggggct gattgtattt accttctacc tcttggctgc cttgtgaagg aattattccc
3481 atgagttggc tgggaataag tgccaggatg gaatgatggg tcagttgtat cagcacgtgt
3541 ggcctgttct tctatgggtt ggacaacctc attttaactc agtctttaat ctgagaggcc
3601 acagtgaat tttattttat ttttctcatg atgaggtttt cttacttaa aagaacatgt
3661 atataaacat gcttgcat taattgtaaa tttatgtgta tggcaaagaa ggagagcata
3721 ggaaaccaca cagacttggg cagggtacag aactcccac ttggcatcat tcacagcaag
3781 tcaactggcca gtggctggat ctgtgagggg ctctctcatg atagaaggct atggggatag
3841 atgtgtggac acattggacc tttcctgagg aagagggact gttcttttgt cccagaaaag
3901 cagtggctcc attggtgttg acatacatcc aacattaaaa gccaccccca aatgcccaag
3961 aaaaaaagaa agacttatca acatttggtc catgagg

```

Fig. 1 cont.

```

1 gcgaggaggg gacgagatgc gagcgcgggc gcgggcccg cgcctctggg cgactgtgct
61 ggcgctgggg gcgctggcgg gcgttggcgt aggagggccc aacatctgta ccacgcgagg
121 tgtgagctcc tgccagcagt gcctggcgtg gagcccatg tgtgcctggt gctctgatga
181 ggccctgcct ccg ggctcac tcgctgtga cctgaaggag aatctgctga aggataactg
241 tgccccagaa tccatcgagt tcccagtgag tgaggcccg gtactagagg acaggcccct
301 cagcgacaag ggctctggag acagctccca ggctactcaa gtcagtcccc agaggattgc
361 actccggctc cggccagatg attcgaagaa tttctccatc caagtgcggc aggtggagga
421 ttaccctgtg gacatctact acttgatgga cctgtcttac tccatgaagg atgatctgtg
481 gagcatccag aacctgggta ccaagctggc caccagatg cgaaagctca ccagtaacct
541 gcgattggc ttcggggcat ttgtggacaa gcctgtgtca ccatacatgt atatctcccc
601 accagaggcc ctcgaaaacc cctgctatga tatgaagacc acctgcttgc ccattgttgg
661 ctacaaacac gtgctgacgc taactgacca ggtgacccgc ttcaatgagg aagtgaagaa
721 gcagagtgtg tcacggaacc gagatgcccc agaggggtggc tttgatgcca tcatgcaggc
781 tacagtctgt gatgaaaaga ttggctggag gaatgatgca tcccacttgc tgggtgttac
841 cactgatgcc aagactcata tagcattgga cgggaaggctg gcaggcattg tccagcctaa
901 tgacgggcag tgtcatgttg gtatgacaa tcattactct gcctccacta ccattgatta
961 tccctctttg gggctgatga ctgagaagct atcccagaaa aacatcaatt tgatctttgc
102 agtgactgaa aatgtagtca atctctatca gaactatagt gagctcatcc cagggaccac
1081 agttgggggt ctgtccatgg attccagcaa tgtcctccag ctcatgttg atgcttatgg
1141 gaaaatccgt tctaaagtag agctggaagt gcgtgacctc cctgaagagt tgtctctatc
1201 cttcaatgcc acctgcctca acaatgaggt catccctggc ctcaagtctt gtagggact
1261 caagattgga gacacgggtg gcttcagcat tgaggccaag gtgcgaggct gtccccagga
1321 gaaggagaag tcctttacca taaagcccg gggcttcaag gacagcctga tcgtccaggt
1381 cacctttgat tgtgactgtg cctgccaggc ccaagctgaa cctaatagcc atcgctgcaa
1441 caatggcaat gggaccttg agtggtgggt atgccgttg gggcctggct ggctgggatc
1501 ccagtgtgag tgcctcagagg aggactatcg cccttcccag caggacgaat gcagcccccg
1561 ggagggctcag cccgtctgca gccagcgggg cgagtgcctc tgtggtcaat gtgtctgcca
1621 cagcagtgac tttggcaaga tcacgggcaa gtactgcgag tgtgacgact tctcctgtgt
1681 ccgctacaag ggggagatgt gctcaggcca tggccagtgc agctgtgggg actgcctgtg
1741 tgactccgac tggaccggct actactgcaa ctgtaccacg cgtactgaca cctgcatgtc
1801 cagcaatggg ctgctgtgca gcggcccgcg caagtgtgaa tgtggcagct gtgtctgtat
1861 ccagccgggg tcctatgggg acacctgtga gaagtcccc acctgcccag atgcctgcac
1921 ctttaagaaa gaatgtgtgg agtgaagaa gtttgaccgg gagccctaca tgaccgaaaa
1981 tacctgcaac cgttactgcc gtgacgagat tgagtcagtg aaagagctta aggacattgg
2041 caaggatgca tctgaattgta cctataagaa tgaggatgac tgtgtcgtca gattccagta
2101 ctatgaagat tctagtggaa agtccatcct gtatgtggta gaagagccag agtgtcccaa
2161 gggccctgac atcctgggtg tcctgtcttc agtgatgggg gccattctgc tcattggcct
2221 tgccgccctg ctcatctgga aactcctcat caccatccac gaccgaaaag aattcgctaa
2281 atttgaggaa gaacgcgcca gagcaaaatg ggacacagcc aacaaccac tgtataaaga
2341 ggccacgtct accttcacca atatcacgta ccggggcact taatgataag cagtcatcct
2401 cagatcatta tcagcctgtg ccacgattgc aggagtccct gccatcatgt ttacagagga
2461 cagtatttgt ggggagggat ttggggctca gagtggggta ggttgggaga atgtcagtat
2521 gtggaagtgt gggctctgtg gtgtgtatgt gggggtctgt gtgtttatgt gtgtgtgtg
2581 tgtgtgggag tgtgtaattt aaaattgtga tgtgtcctga taagctgagc tccttagcct
2641 ttgtcccaga atgcctcctg cagggattct tcctgcttag cttgagggtg actatggagc
2701 tgagcaggtg ttcttcatta cctcagtgtg aagccagctt tcctcatcag gccattgtcc
2761 ctgaagagaa gggcagggtt gaggcctctc attccagagg aagggacacc aagcctggc
2821 tctaccctga gttcataaat ttatggttct caggcctgac tctcagcagc tatggttaga
2881 actgctgggc ttggcagccc gggctcatctg tacctctgcc tcctttcccc tccctcaggc
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3001 caaccagct atggttctct cgcaagggaa gtccittgcaa gctaattctt tgacctgttg
3061 ggagttagga tgtctgggcc actcaggggt cattcatggc ctgggggatg taccagcatc
3121 tcccagttca taatcacaac ccttcagatt tgccttattg gcagctctac tctggaggtt
3181 tgtttagaag aagtgtgtca cccttaggcc agcaccatct ctttacctcc taattccaca

```

Fig. 2

3241	ccctcactgc	tgtagacatt	tgctatgagc	tggggatgtc	tctcatgacc	aaatgctttt
3301	cctcaaaggg	agagagtgtc	attgtagagc	cagaggtctg	gccctatgct	tccggcctcc
3361	tgtccctcat	ccatagcacc	tccacatacc	tggccctgag	ccttggtgtg	ctgtatccat
3421	ccatggggct	gattgtat	accttctacc	tcttggctgc	cttgtgaagg	aattattccc
3481	atgagttggc	tgggaataag	tgccaggatg	gaatgatggg	tcagttgtat	cagcacgtgt
3541	ggcctgttct	tctatgggtt	ggacaacctc	attttaactc	agtctttaat	ctgagaggcc
3601	acagtgcaat	tttat	tttctcatg	atgaggtttt	cttaacttaa	aagaacatgt
3661	atataaacat	gcttgcat	tatttgtaaa	tttatgtgta	tggcaaagaa	ggagagcata
3721	ggaaaccaca	cagacttggg	cagggtagag	acactcccac	ttggcatcat	tcacagcaag
3781	tcactggcca	gtggctggat	ctgtgagggg	ctctctcatg	atagaaggct	atggggatag
3841	atgtgtggac	acattggacc	tttctgagg	aagagggact	gttcttttgt	cccagaaaag
3901	cagtggctcc	attggtgttg	acatacatcc	aacattaaaa	gccaccccca	aatgccaag
3961	aaaaaaagaa	agacttatca	acatttgttc	catgagg		

Fig. 2 cont.

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1 MRARPRPRPL WVTVLALGAL AGVGVGGPNI CTTRGVSSCQ QCLAVSPMCA WCSDEALPLG 60
61 SPRCDLKENL LKDNCAPESE EFPVSEARVL EDRPLSDKGS GDSSQVTQVS PQRIALRLRP 120
121 DDSKNFSIQV RQVEDYPVDI YYLMDLSYSM KDDLWSIQNL GTKLATQMRK LTSNLRIGFG 180
181 AFVDKPVSPY MYISPPEALE NPCYDMKTTC LPMFGYKHVL TLTDQVTRFN EEVKKQSVSR 240
241 NRDAPEGGFD AIMQATVCDE KIGWRNDASH LLVFTTDAKT HIALDGRLAG IVQPNDGQCH 300
301 VGSDNHYSAS TTMDYPSLGL MTEKLSQKNI NLIFAVTENV VNLYQNYSEL IPGTTVGVL 360
361 MDSSNVLQLI VDAYGKIRSK VELEVRDLPE ELSLSFNATC LNNEVIPGLK SCMGLKIGDT 420
421 VSFSIEAKVR GCPQEKEKSF TIKPVGFKDS LIVQVTFDCD CACQAQAEPN SHRCNNGNGT 480
481 FECGVCRCGP GWLGSQCECS EEDYRPSQOD ECSPREGQPV CSQRGECLCG QCVCHSSDFG 540
541 KITGKYCEDF DFSCVRYKGE MCSGHGQCSC GDCLCSDSWT GYYCNCTTTRT DTCMSSNGLL 600
601 CSGRGKCECG SCVCIQPGSY GDTCEKCPTC PDACTFKKEC VECKKFDREP YMTENTCNRY 660
661 CRDEIESVKE LKDTGKDAVN CTYKNEDDCV VRFQYYEDSS GKSILYVVEE PECPKGPDIL 720
721 VVLLSVMGAI LLIGLAALLI WKLLITIHDR KEFAKFEEER ARAKWDTANN PLYKEATSTF 780
781 TNITYRGT

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Fig. 3

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1 MRARPRPRPL WVTVLALGAL AGVGVGGPNI CTTRGVSSCQ QCLAVSPMCA WCSDEALPPG 60
61 SPRCDLKENL LKDNCAPESE EFPVSEARVL EDRPLSDKGS GDSSQVTQVS PQRIALRLRP 120
121 DDSKNFSIQV RQVEDYPVDI YYLMDLSYSM KDDLWSIQNL GTKLATQMRK LTSNLRIGFG 180
181 AFVDKPVSPY MYISPPEALE NPCYDMKTTC LPMFGYKHVL TLTDQVTRFN EEVKKQSVSR 240
241 NRDAPEGGFD AIMQATVCDE KIGWRNDASH LLVFTTDAKT HIALDGRLAG IVQPNDGQCH 300
301 VGSDNHYSAS TTMDYPSLGL MTEKLSQKNI NLIFAVTENV VNLYQNYSEL IPGTTVGVL 360
361 MDSSNVLQLI VDAYGKIRSK VELEVRDLPE ELSLSFNATC LNNEVIPGLK SCMGLKIGDT 420
421 VSFSIEAKVR GCPQEKEKSF TIKPVGFKDS LIVQVTFDCD CACQAQAEPN SHRCNNGNGT 480
481 FECGVCRCGP GWLGSQCECS EEDYRPSQOD ECSPREGQPV CSQRGECLCG QCVCHSSDFG 540
541 KITGKYCEDF DFSCVRYKGE MCSGHGQCSC GDCLCSDSWT GYYCNCTTTRT DTCMSSNGLL 600
601 CSGRGKCECG SCVCIQPGSY GDTCEKCPTC PDACTFKKEC VECKKFDREP YMTENTCNRY 660
661 CRDEIESVKE LKDTGKDAVN CTYKNEDDCV VRFQYYEDSS GKSILYVVEE PECPKGPDIL 720
721 VVLLSVMGAI LLIGLAALLI WKLLITIHDR KEFAKFEEER ARAKWDTANN PLYKEATSTF 780
781 TNITYRGT

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Fig. 4

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1 gatggccaga gctttgtgtc cactgcaagc cctctggcct ctggagtggg tgctgtgtgt
61 cttgggacct tgtgtgtgcc ctccagcctg ggccttgaa cttggaccag tgcagctcac
121 cttctatgca ggccccaatg gcagccagtt tggattttca ctggacttcc acaaggacag
181 ccatgggaga gtggccatcg tgggtgggcg cccgcgacc ctgggcccc a gccaggagga
241 gacgggcggc gtgttctgt gcccctggag ggccgagggc ggccagtgcc cctcgtgtgt
301 ctttgacctc cgtgatgaga cccgaaatgt aggtcccaa actttacaaa ccttcaaggc
361 ccgccaagga ctgggggctg cggtcgtcag ctggagcgac gtcattgtgg cctgcgcccc
421 ctggcagcac tggaacgtcc tagaaaagac tgaggaggct gagaagacgc ccgtaggtag
481 ctgctttttg gctcagccag agagcggccg ccgcgccgag tactccccct gtcgcgggaa
541 caccctgagc cgcatttacg tggaaaatga ttttagctgg gacaagcgtt actgtgaagc
601 gggcttcaag tccgtgggtc ctcaggccgg agagctgggt cttggggctc ctggcggtta
661 ttatttctta ggtctcctgg cccaggtctc agttgcggat attttctcga gttaccgccc
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781 gtacttcgac ggctactggg ggtactcggg ggccgtgggc gagttcgacg gggatctcaa
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901 tttggatttc tactaccaga ggtgcctcag gctgcgcgca aggcattgatc tgcgtgtggg
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1021 cgtccactg tatatggaga gccgggcaga ccgaaaactg gccgaagtgg ggcgtgtgta
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1141 cacacagctc tatggcgat tggctctgct catcgaccc ctgggcgacc tcgaccggga
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1261 gctggtgttc ctgggtcaga gtgaggggct gaggtcacgt ccctcccagg tcctggacag
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1381 caacggatac ccagacctga tcgtgggagc ttacggggcc aaccaggtgg ctgtgtacag
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1501 tgtgaagagc tgtgtcctac ctcagaccaa gacaccctg agctgcttca acatccagat
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1801 caatgtgtcc ctaccgcccc cggaggctgg aatggcccc tgcgtcgtgc acgtatgtgt
1861 caccatgtg caggagcaga cagaaatcgt cctggactct ggggaagatg agctatgtgt
1921 gcccaagctt cagctcactg ccagcgtgac gggctccccg ctctagtgtg gggcagataa
1981 tgccttgagg ctgcagatgg acgcagccaa cgagggcgag ggggcctatg aagcagagct
2041 ggccgtgcac ctgccccagg gcgcccacta catgcgggcc ctaagcaatg tcgagggtct
2101 tgagagactc atctgtaatc agaagaagga gaatgagacc aggggtgtgc tgtgtgagct
2161 gggcaacccc atgaagaaga acgcccagat aggaatcgcg atgttggtga gctggtggaa
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3181 tccaacaagt tgccccaag ctttgggttg gagctgttcc attgggtcct cttggtgtcg
3241 tttccctccc aacagagctg ggctaccccc ctcctgtctg cctaataaag agactgagcc
3301 ctg

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Fig. 5

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1 gatggccaga gctttgtgtc cactgcaagc cctctggcct ctggagtggg tgctgctgct
61 cttgggacct tgtgctgccc ctccagcctg ggccttgaac ctggacccag tgcagctcac
121 cttctatgca ggccccaatg gcagccagtt tggattttca ctggacttcc acaaggacag
181 ccatgggaga gtggccatcg tgggtggcgc cccgcggacc ctgggccccca gccaggagga
241 gacgggcggc gtgttcctgt gcccctggag ggccgagggc ggccagtgcc cctcgctgct
301 ctttgacctc cgtgatgaga cccgaaatgt aggtcccaa actttacaaa ccttcaaggc
361 ccgccaagga ctgggggcgt cggtcgtcag ctggagcgac gtcattgtgg cctgcgcccc
421 ctggcagcac tggaacgtcc tagaaaagac tgaggaggct gagaagacgc ccgtaggtag
481 ctgctttttg gctcagccag agagcggccg ccgcgccgag tactccccct gtcgcgggaa
541 caccctgagc cgcatttacg tggaaaatga ttttagctgg gacaagcgtt actgtgaagc
601 gggcttcagc tccgtgggtca ctcaggccgg agagctgggt cttgggggtc ctggcggcta
661 ttattttctta ggtctcctgg cccaggctcc agttgcggat attttctcga gttaccgccc
721 aggcatacctt ttgtggcacg tgtcctccca gacctctcc tttgactcca gcaaccacga
781 gtacttcgac ggctactggg ggtactcggg ggccgtgggc gagttcgacg gggatctcaa
841 cactacagaa tatgtcgtcg gtgccccac gtggagctgg accctgggag ccgtggaaat
901 tttgatttcc tactaccaga ggtgcacgc gctgcgcgca gagcagatgg cgtcgtattt
961 tgggcattca gtggctgtca ctgacgtcaa cggggatggg aggcattgatc tgctgggtggg
1021 cgctccactg tatatggaga gccgggcaga ccgaaaactg gccgaagtgg ggcgtgtgta
1081 tttgttctcg cagccgcgag gccccacgc gctgggtgcc cccagcctcc tgctgactgg
1141 caccagctc tatgggcgat tccgctctgc catcgacccc ctgggcgacc tcgaccggga
1201 tggctacaat gacattgcag tggctgcccc ctacgggggt cccagtggcc ggggccaagt
1261 gctgggtgttc ctgggtcaga gtgaggggct gaggtcacgt cctcccagg tcttgacag
1321 ccccttcccc acaggctctg cctttggctt ctcccttcga ggtgccgtag acatcgatga
1381 caacggatac ccagacctga tctgaggagc ttacggggcc aaccagggtg ctgtgtacag
1441 agctcagcca gtggtgaagg cctctgtcca gctactgggt caagattcac tgaatcctgc
1501 tgtgaagagc tgtgtcctac ctcagaccaa gacaccctg agctgcttca acatccagat
1561 gtgtgtttga gccactgggc cagaagcccc gccagggccg gcgggtgctg ctgctgggct ctcaacaggc
1621 gctggaccgg ctgaacctgg atctgggcgg aaagcacagc cccatctgcc acaccaccat
1741 ggccttccct cgagatgagg cagacttccg ggacaagctg agccccattg tgctcagcct
1801 caatgtgtcc ctaccgcccc cggaggctgg aatggcccc tctgtcgtgc tgcatggaga
1861 caccatgtg caggagcaga cacgaatcgt cctggactct ggggaagatg acgtatgtgt
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1981 tgtcctggag ctgcagatgg acgcagccaa cgagggcgag ggggcctatg aagcagagct
2041 ggccgtgcac ctgccccagg gcgcccacta catgcgggcc ctaagcaatg tcgagggctt
2101 tgagagactc atctgtaatc agaagaagga gaatgagacc aggttggtgc tgtgtgagct
2161 gggcaacccc atgaagaaga acgcccagat aggaatcgcg atgttggtga gcgtggggaa
2221 tctggaagag gctggggagt ctgtgtcctt ccagctgcag atacggagca agaacagcca
2281 gaatccaaac agcaagattg tgctgctgga cgtgccggtc cgggcagagg cccaagtgga
2341 gctgcgaggg aactcctttc cagcctccct ggtggtggca gcagaagaag gtgagagggg
2401 gcagaacagc ttggacagct ggggacccaa agtgagcac acctatgagc tccacaacaa
2461 tggccctggg actgtgaatg gtcttcacct cagcatccac cttccgggac agtcccagcc
2521 ctccgacctg ctctacatcc tggatataca gccccagggg ggccctcagt gcttcccaca
2581 gcctcctgtc aaccctctca aggtggactg ggggctgccc agc cccagcc cctcccccat
2641 tcacccggcc catcacaagc gggatcgtag acagatcttc ctgccagagc ccgagcagcc
2701 ctcgaggctt caggatccag ttctcgtaag ctgcgactcg gcgcccgtga ctgtggtgca
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2821 gtggctgccc agcctctacc agaggcctct ggtacagttt gtgctgcagt cgcacgcatg
2881 gttcaacgtg tctcctctcc cctatgcggt gcccccgctc agcctgcccc gaggggaagc
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3001 gctggtgggt gtgctgggtg gcctgtgctg gctcaccatc ctggtcctgg ccatgtggaa
3061 ggtcggtctt ttcaagcgga accggccacc cctggaagaa gatgatgaag agggggagtg
3121 atggtgcagc ctacactatt ctagcaggag ggttgggcgt gctacctgca ccgccccttc
3181 tccaacaagt tgctccaag ctttgggttg gagctgttcc attgggtcct cttggtgtcg
3241 tttccctccc aacagagctg ggctaccccc cctcctgctg cctaataaag agactgagcc
3301 ctg

```

Fig. 6

MARALCPLQALWLEWVLLLLGPCAAPPAWALNLDPVQLTFYAGPNGSQFGFSLDFHKDSHGRVAIVVGAPR  
 TLGPSQEETGGVFLCPWRAEGGQCPSLLFDLRDETRNVGSQTLQTFKARQGLGASVVSWSVDIVACAPWQHW  
 NVLEKTEEAETKTPVGSCFLAQPESEGRRAEYSPCRGNTLSRIYVENDFSWDKRYCEAGFSSVVTQAGELVLGA  
 PGGYYFLGLLAQAPVADIFSSYRPGILLWHVSSQSLSFSSNPEYFDGYWGYSVAVGEFDDGLNTTEYVVGA  
 PTWSWTLGAVEILDSYYQRLHRLRAEQMASYFGHSVAVTDVNGDGRHDLVVGAPLYMESRADRKLAEVGRVY  
 LFLQPRGPHALGAPSLLLTGTQLYGRFGSAIAPLGDLDRDGYNDIAVAAPYGGPSGRGQVLVFLGQSEGLRS  
 RPSQVLDSPPFTGSAFGFSLRGAVDIDDNGYPDLIVGAYGANQVAVYRAQPVVKASVQLLVQDSLNPVAVKSC  
 VLPQTKTPVSCFNIQMCVGATGHNIPQKLSLNAELQLDRQKPRQGRRVLLLSQQAQTTNLNLDLGGKHSPIC  
 HTTMAFLRDEADFRDKLSPIVLSLNVSLPPTTEAGMAPAVVLHGDTHVQEQTTRIVLDSGEDDVCPQLQLTAS  
 VTGSPLLVGADNVLELQMDAANELEGAYEAEALAVHLPQGAHYMRALSNVEGFERLICNQQKENETRVLCEL  
 GNPMKKNAQIGIAMLVSVGNLEEAGESVSFQLQIRSKNSQNPNSKIVLLDVPVRAEAQVELRGNSFPASLVV  
 AAEEGEREQNSLDSWGPKVEHTYELHNNPGTVNGLHLSIHLPGSQSPSDLLYILDIQPOGGLQCFPPPPVN  
 PLKVDWGLP**I**PSPSPIHPAHHKRDRRQIFLPEPEQPSRLQDPVLVSCDSAPCTVVQCDLQEMARGQRAMV  
 TVLAFLWLPSLYQRPLDQFVLQSHAWFNVSLLPYAVPPLSLPRGEAQVWTQLLRALERAIP*I*WWVLVGVLG  
 GLLLLTILVLAMWKVGFFKRNRPPEEDDEEGE

Fig. 7

MARALCPLQALWLEWVLLLLGPCAAPPAWALNLDPVQLTFYAGPNGSQFGFSLDFHKDSHGRVAIVVGAPR  
 TLGPSQEETGGVFLCPWRAEGGQCPSLLFDLRDETRNVGSQTLQTFKARQGLGASVVSWSVDIVACAPWQHW  
 NVLEKTEEAETKTPVGSCFLAQPESEGRRAEYSPCRGNTLSRIYVENDFSWDKRYCEAGFSSVVTQAGELVLGA  
 PGGYYFLGLLAQAPVADIFSSYRPGILLWHVSSQSLSFSSNPEYFDGYWGYSVAVGEFDDGLNTTEYVVGA  
 PTWSWTLGAVEILDSYYQRLHRLRAEQMASYFGHSVAVTDVNGDGRHDLVVGAPLYMESRADRKLAEVGRVY  
 LFLQPRGPHALGAPSLLLTGTQLYGRFGSAIAPLGDLDRDGYNDIAVAAPYGGPSGRGQVLVFLGQSEGLRS  
 RPSQVLDSPPFTGSAFGFSLRGAVDIDDNGYPDLIVGAYGANQVAVYRAQPVVKASVQLLVQDSLNPVAVKSC  
 VLPQTKTPVSCFNIQMCVGATGHNIPQKLSLNAELQLDRQKPRQGRRVLLLSQQAQTTNLNLDLGGKHSPIC  
 HTTMAFLRDEADFRDKLSPIVLSLNVSLPPTTEAGMAPAVVLHGDTHVQEQTTRIVLDSGEDDVCPQLQLTAS  
 VTGSPLLVGADNVLELQMDAANELEGAYEAEALAVHLPQGAHYMRALSNVEGFERLICNQQKENETRVLCEL  
 GNPMKKNAQIGIAMLVSVGNLEEAGESVSFQLQIRSKNSQNPNSKIVLLDVPVRAEAQVELRGNSFPASLVV  
 AAEEGEREQNSLDSWGPKVEHTYELHNNPGTVNGLHLSIHLPGSQSPSDLLYILDIQPOGGLQCFPPPPVN  
 PLKVDWGLP**S**PSPSPIHPAHHKRDRRQIFLPEPEQPSRLQDPVLVSCDSAPCTVVQCDLQEMARGQRAMV  
 TVLAFLWLPSLYQRPLDQFVLQSHAWFNVSLLPYAVPPLSLPRGEAQVWTQLLRALERAIP*I*WWVLVGVLG  
 GLLLLTILVLAMWKVGFFKRNRPPEEDDEEGE

Fig. 8